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| **Activity:** | Pioneering | **Location:** | Off-Site | **Last review date:** | December 2022 | **Produced by:** | Alex Windows (Section Leader) |
| **Next review date:** | December 2025 | **Quality Assured by:** |  |

| **What are the hazards?** | **What are the risks?** | **Who is most at risk?** | **What control measures will be put in place?** |
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| **Terrain** | Tripping / Falling.Sprains / Strains. | Young people. | * A leader should check for hazards in the build area before commencing the activity.
* Pioneering projects should be constructed on flat and level ground as much as possible.
* Young people should wear suitable footwear, such as hiking boots, as advised by leaders.
* A leader should assess the weather risk before and during the session and consider moving this activity to another area.
* In very inclement weather consider a different project that could be undertaken indoors if needed.
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| **Manual Handling**  | Lifting heavy items.Strains etc.Back or other muscular injuries. | Young people. | * Leaders should check that the project they are planning and that the type of equipment and pioneering technique is appropriate for the age of the young people.
* Young people should be shown the correct method to carry, lift, and store pioneering equipment.
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| **Construction and Dismantling** | Fingers, feet, or other body parts trapped between or under poles. | All. | * Leaders should give everyone participating in the activity a safety briefing.
* Young people should always be supervised and supported where required.
* Leaders or young people should plan the structure before starting to build. Make sure everyone is aware of this plan and if there are any ongoing changes.
* Make sure the activity lead is competent, a leader or a suitable young person.
* Give all participants appropriate training on tying lashings, moving, and supporting structures.
* Young people should be encouraged/advised to work together and support each other and the structures.
* Consider participants’ personal circumstances and any reasonable adjustments, as necessary.
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| **Equipment** | Personal injuries, rope burns, cuts, bruises, abrasions, puncture wounds, eye damage. | All. | * Leaders should check equipment (including ropes, spars, staves and blocks) before use and report any damaged or faulty equipment.
* Ensure equipment is stored safely, where it cannot fall or roll onto people.
* Equipment should be dried before storage to prevent the growth of mould or mildew.
* Leaders should be aware of the allergies of participants, especially when using natural materials such as manila rope.
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| **Structure Collapse** | Impact with pioneering equipment.Crush injuries.Lacerations.Fractures. | All. | * Leaders should supervise structures while they are being constructed, used and dismantled.
* Check how the weather affects structures, for example, wet ropes causing stretching or tightening.
* Where necessary, leaders should check that knots are lashings are correct and tight enough to support structures.
* Limit the load put on structures.
* Untie and dismantle the structure in a sensible order to ensure that it is safely lowered.
* Make sure a qualified first aider is present throughout the activity.
* Make sure a first aid kit is on-site during the activity.
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| **Fall from height** | Personal injuriesLacerations.Fractures. | Young people. | * Leaders should fully brief all participants who will be above one meter off the ground.
* Use spotters when participants are off the ground.
* Ensure the structure is secure enough to whole the weight of the people who will stand on the structure.
* When standing on structures, consider the people below you, especially when climbing off the structure.
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